

FIG. 1

FIG. 2 is a schematic diagram of a multi-layered structure 1. The structure 1 is composed of a top layer 20 and a series of intermediate layers 2 through 14, which are collectively designated by reference numeral 17. The bottom layer is designated by reference numeral 1. The layers 2 through 14 are further grouped into two sets: layers 2 through 7 are designated by reference numeral 18, and layers 8 through 14 are designated by reference numeral 19. A downward arrow labeled  $D_{RP}$  indicates a direction of force or pressure applied to the top layer 20.

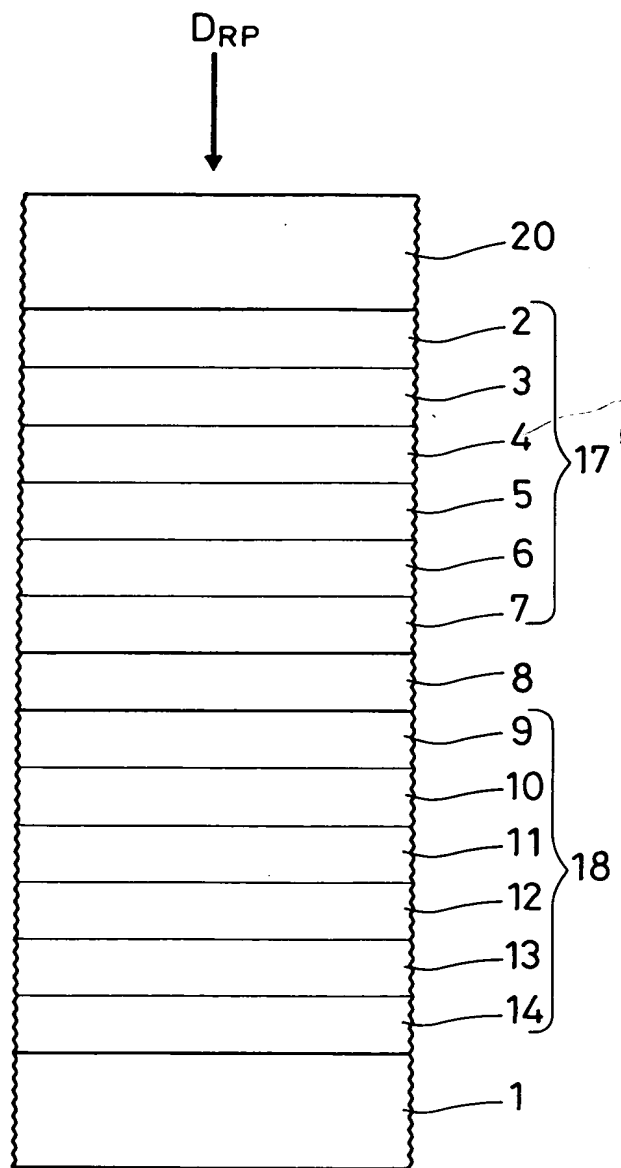


FIG. 2

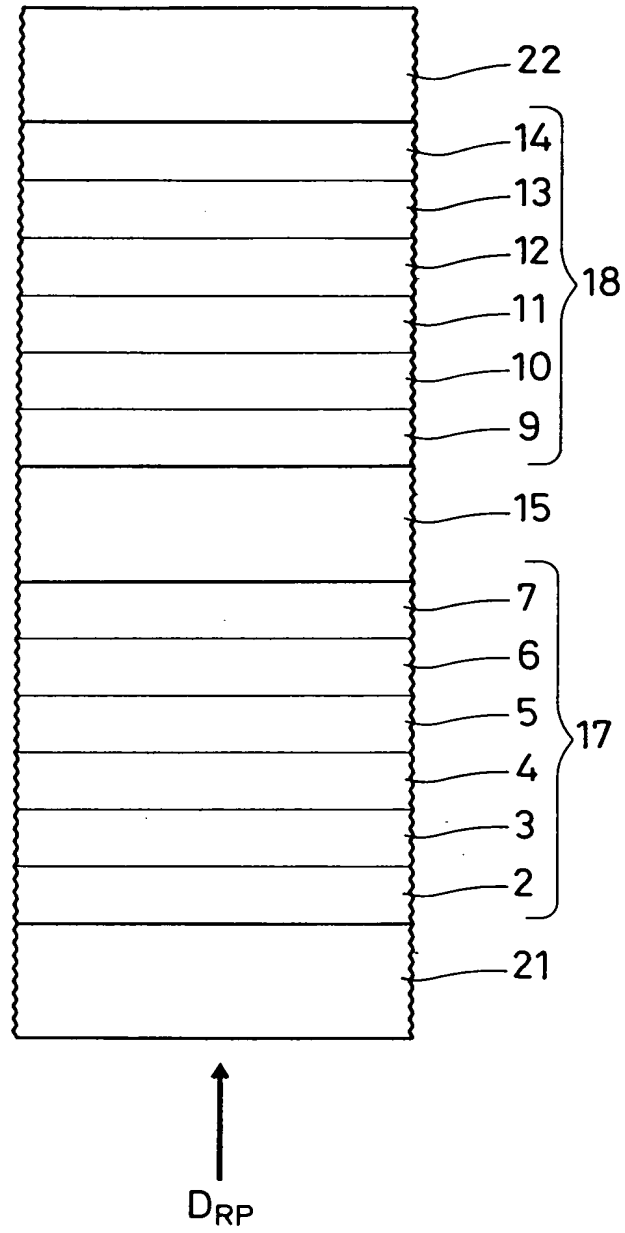


FIG. 3

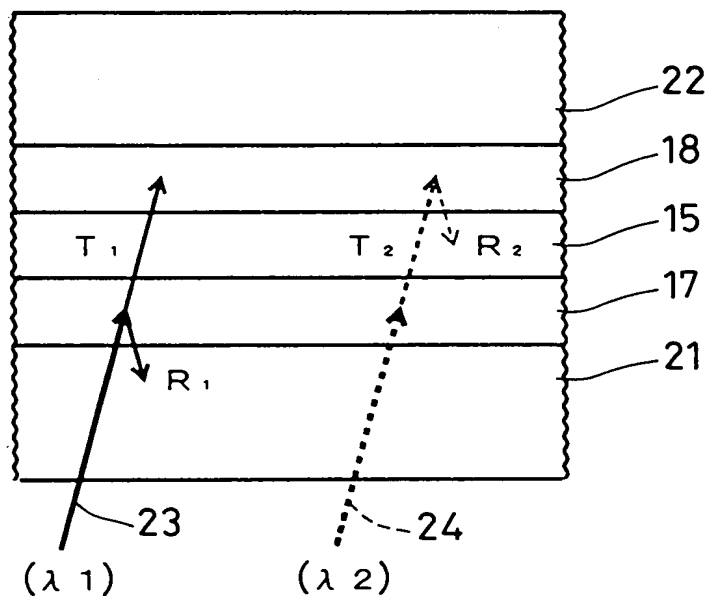


FIG. 4

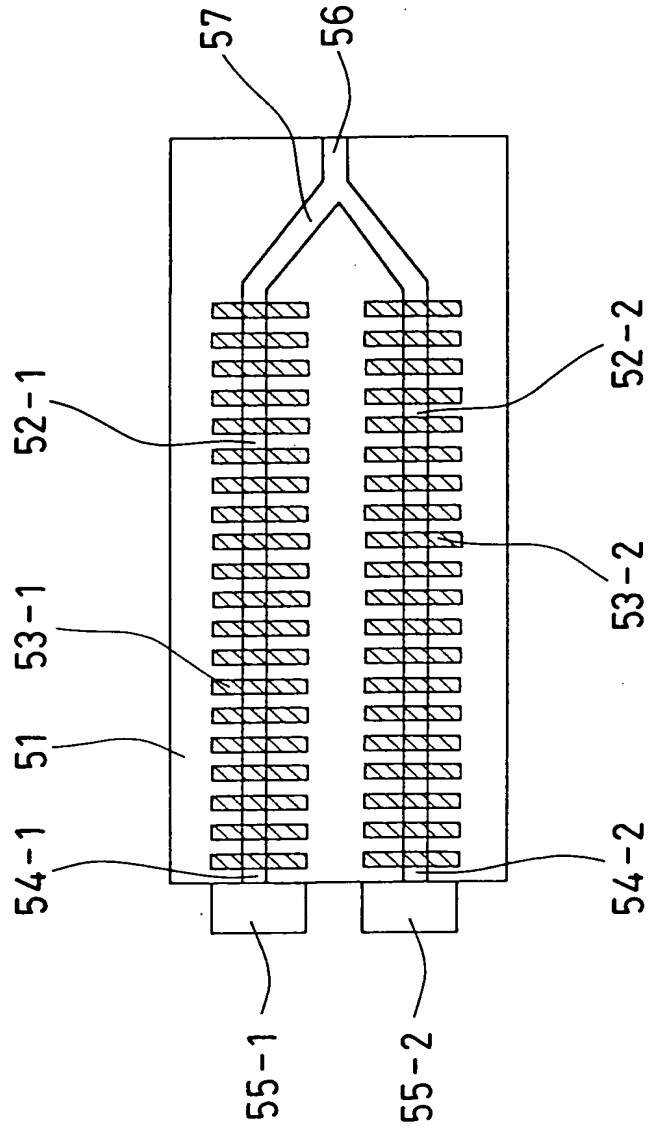


FIG. 5

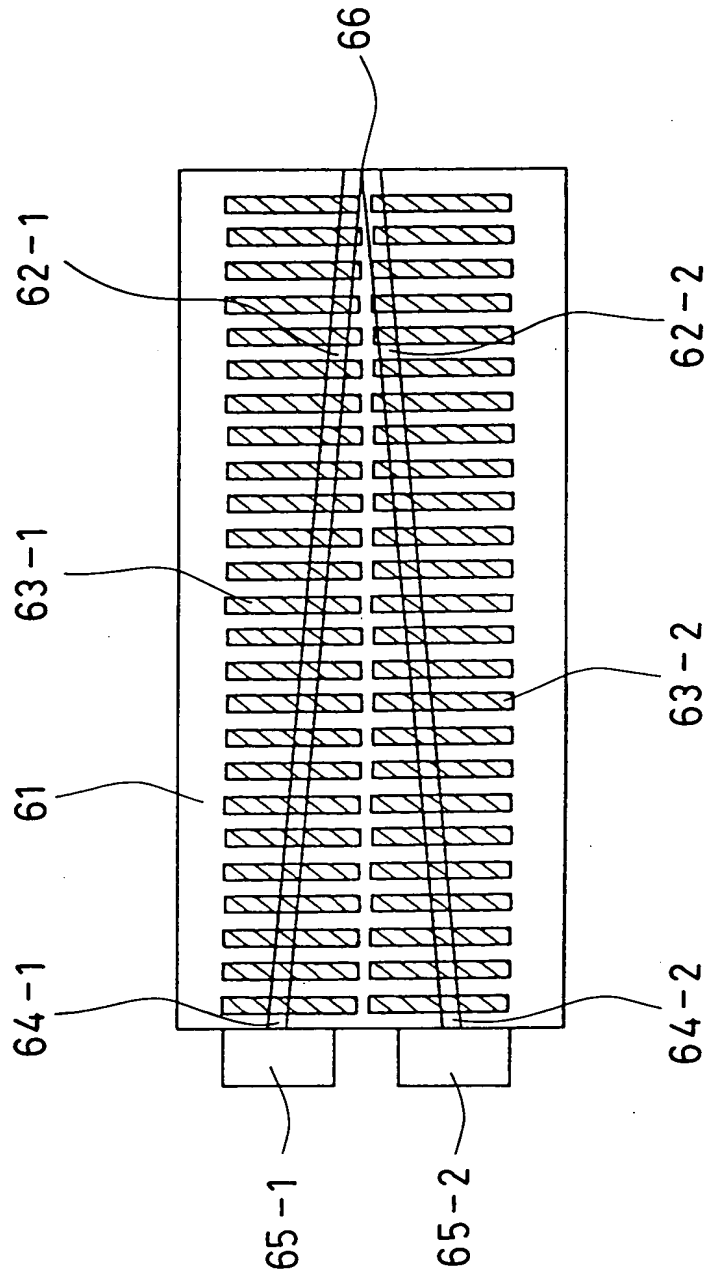


FIG. 6

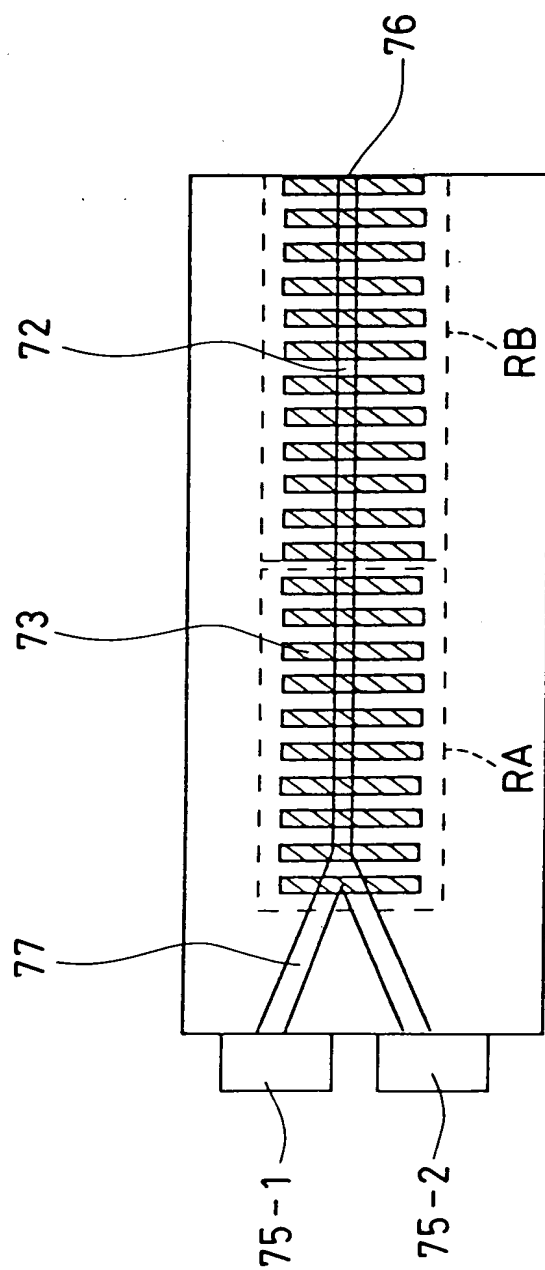


FIG. 7

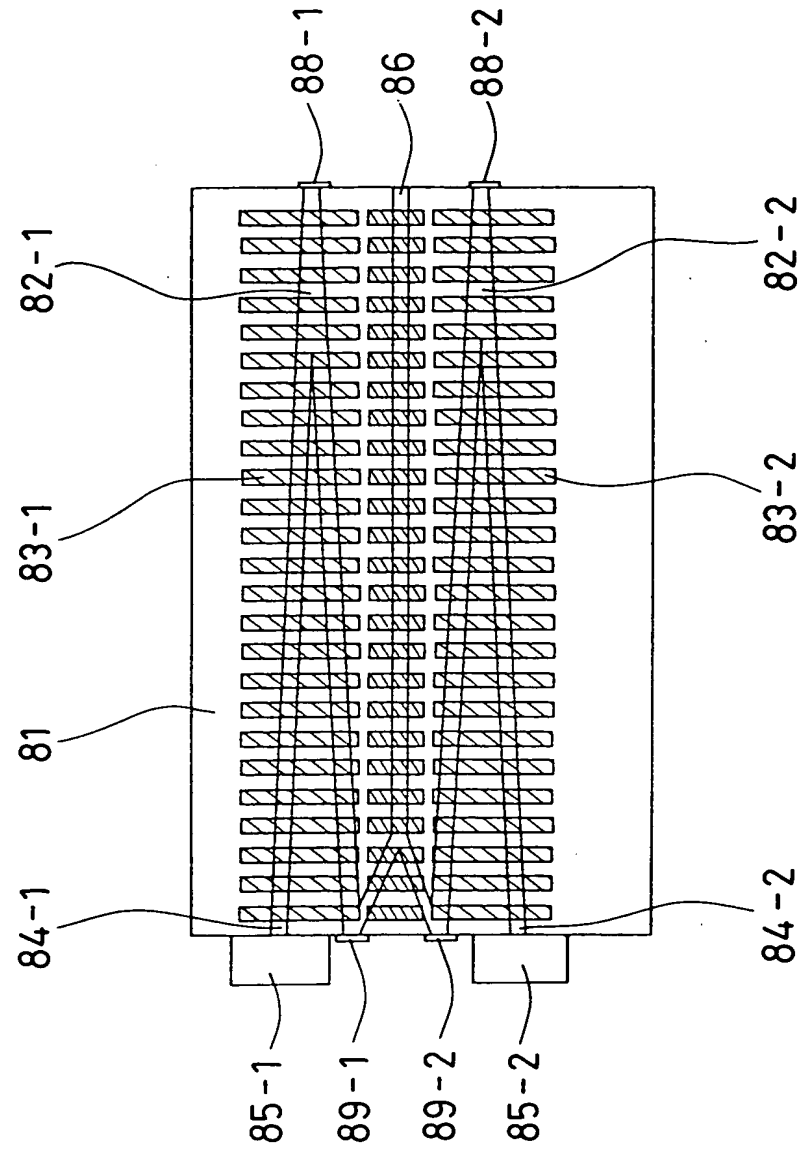


FIG. 8



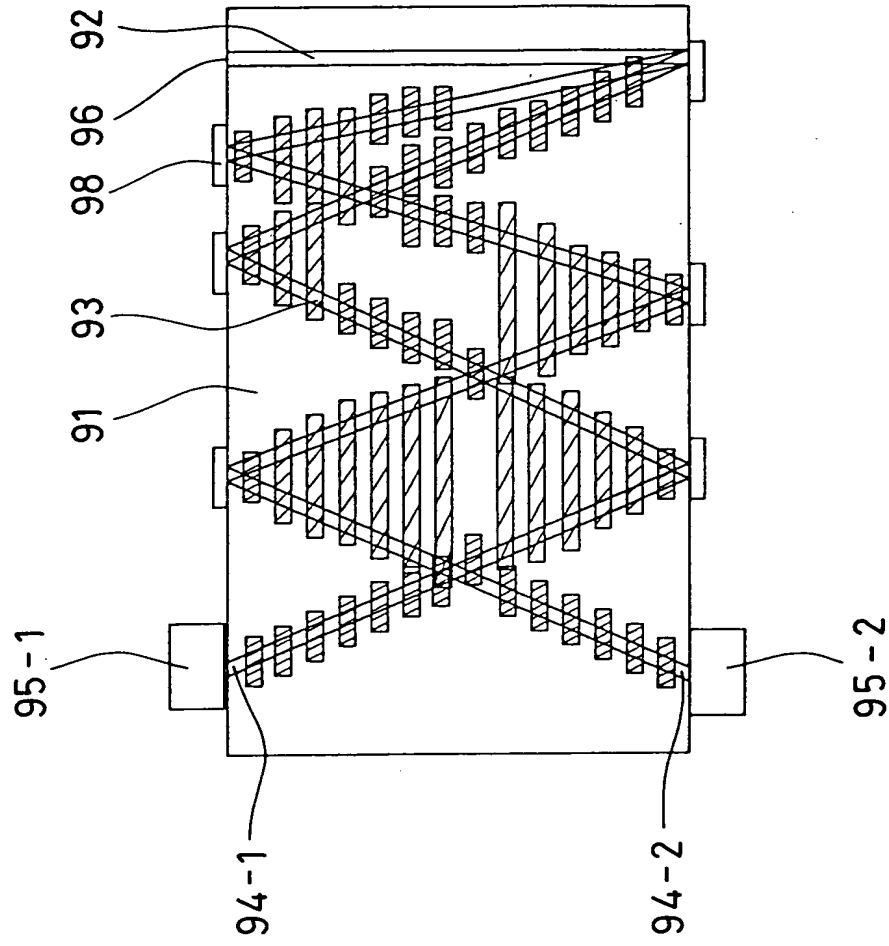


FIG. 9

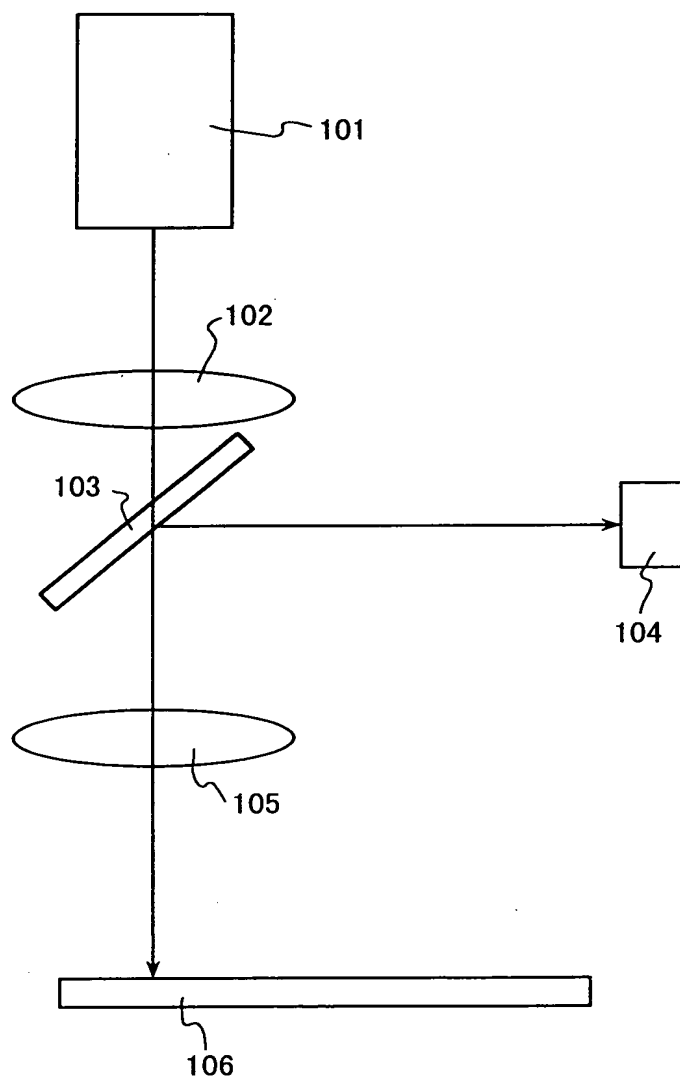


FIG . 10

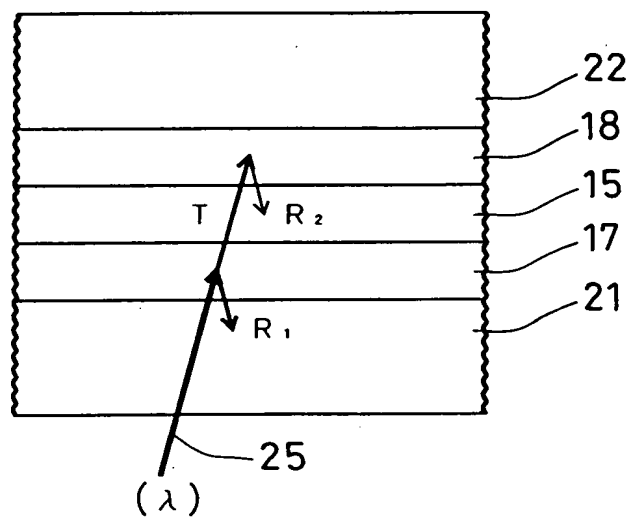


FIG. 11 (PRIOR ART)

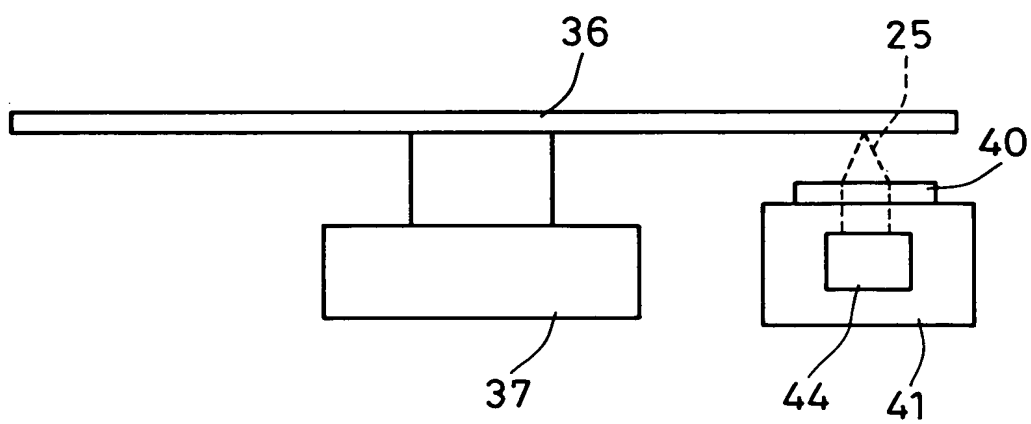


FIG. 12 (PRIOR ART)

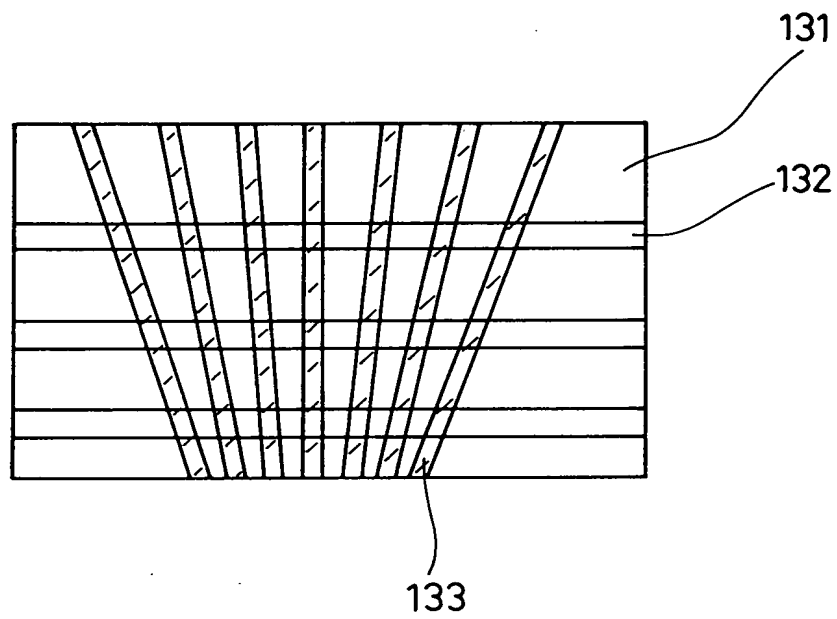


FIG. 13 (PRIOR ART)

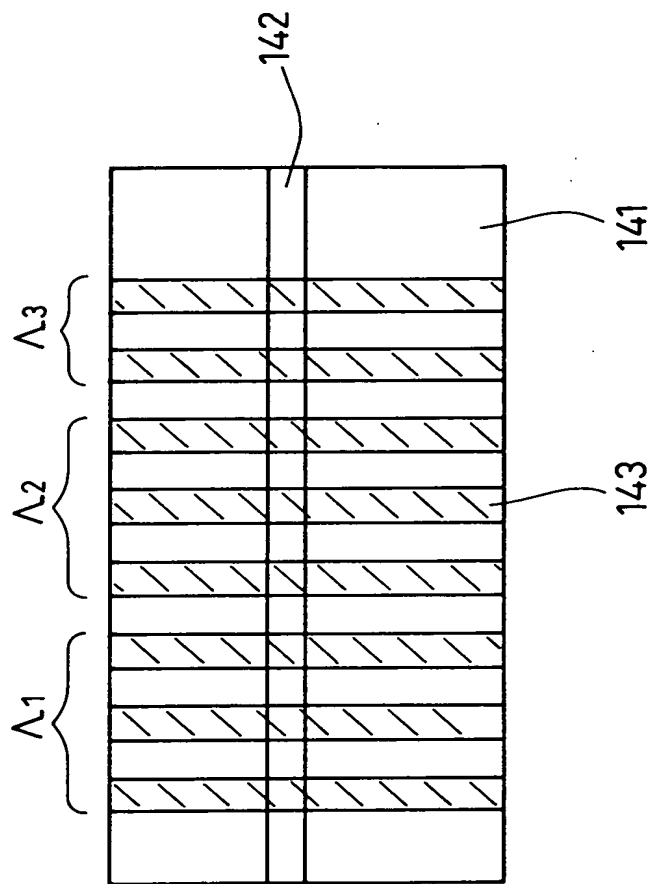


FIG. 14 (PRIOR ART)